

10/553163

SEQUENCE LISTING ~~10/553163~~ Rec'd PCT/PTO 13 OCT 2005

<110> ELI LILLY AND COMPANY
<120> INSULIN ANALOGS HAVING PROTRACTED TIME ACTION
<130> X-16270M
<150> US 60/466,501
<151> 2003-04-29
<150> US 60/466,500
<151> 2003-04-29
<150> US 60/470,118
<151> 2003-05-13
<160> 5
<170> PatentIn version 3.2
<210> 1
<211> 22
<212> PRT
<213> HOMO SAPIENS

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<221> MISC_FEATURE
<222> (1)..(22)
<223> Amino acid sequence of the A-chain of
A0ArgA21GlyB31ArgB32Arg-human insulin and A0ArgA21GlyB29ArgB31Arg
B32Lys-human insulin.

<400> 1
Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln
1 5 10 15

Leu Glu Asn Tyr Cys Gly
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<210> 2
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<223> Amino acid sequence of the B-chain of
A0ArgA21GlyB31ArgB32Arg-human insulin.

<400> 2
Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr Arg Arg
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<210> 3

x16435

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<223> Amino acid sequence of the A-chain of wild-type human insulin.

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Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
1 5 10 15

Glu Asn Tyr Cys Asn
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<210> 4
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Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
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<210> 5
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<223> Amino acid sequence of the B-chain of A0ArgA21GlyB29ArgB31Arg
B32Lys -human insulin.

<400> 5

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Arg Thr Arg Lys
20 25 30